APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

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S. L. Levin, et al.
RUSSIAN, per, Izvest. VUZ-Chern. Met., No 8,
Aug 1964, pp 44-49.
HB 6511

USSR
Sci/M&M
May 65

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APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

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Sci/Materials
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The Functioning of the Hearth on a Large Blast Furnace,
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HB 0228

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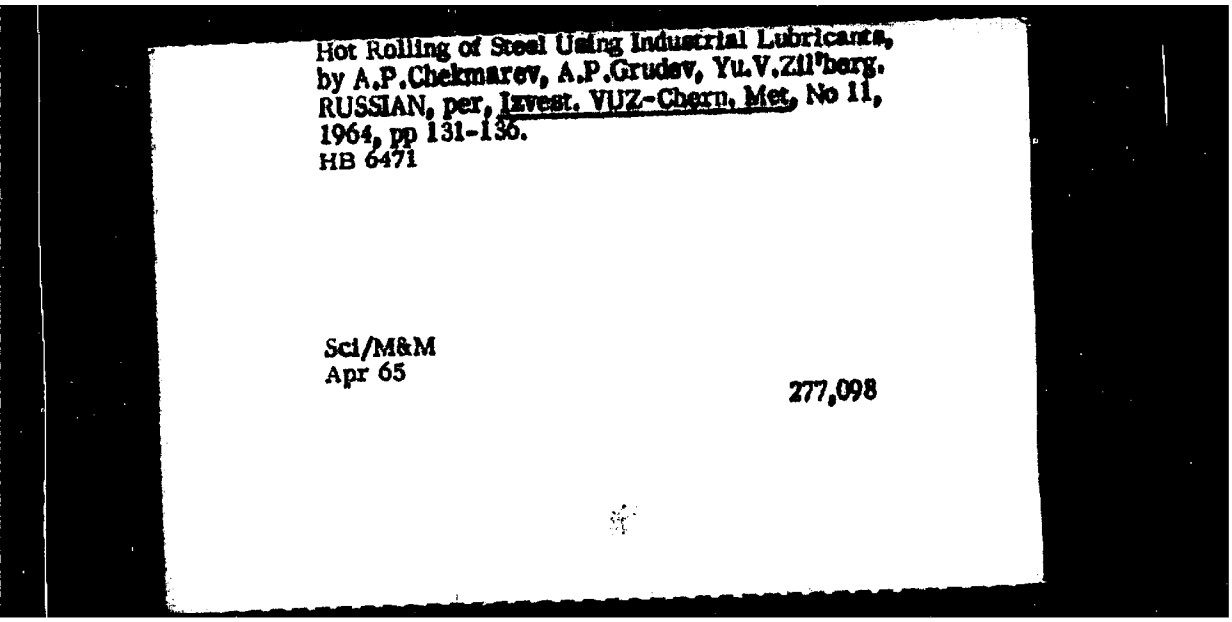

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Sci -
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APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

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Sci-Mech Indus Civ Mar Engr
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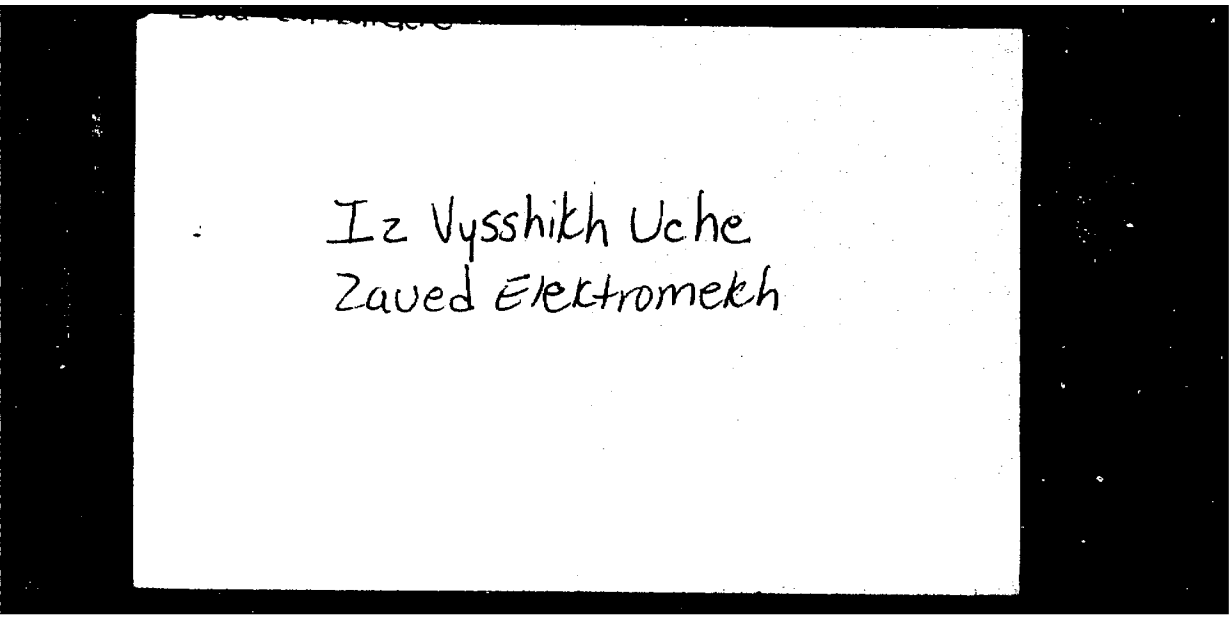

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FTD-TT-62-X 935

Sci - Electron
Sep 62

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APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

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The Magnetic Field, Excited by the Primary Winding, in the Air Gap of an Induction Machine With a Curved Stator, by A. A. Lebedev, 15 pp.

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FTD-TT-63-157

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May 63

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APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

Slunov, N. S. and Kovylev, B. V.
THE EFFECT OF ADDITIONAL CAPACITY ON CURRENT COMMUTATION (Vliyaniye Dobavochnoy Yemkosti na Kommutatsiyu Toka). Nov 60 [12]p. 5 refs. RTS 1656.
Order from OTS or SLA $1.60 61-15211

Trans. of Izvest[iya] Vysshikh Uchebnykh Zavedeniy. Elektromekhanika (USSR) 1959, no. 6, p. 34-40.

DESCRIPTORS: *Commutators, *Electric currents, *Electrostatic capacitance.

An analysis of the effect of an increased capacity on the commutation process shows that an increase of the capacity reduces the amplitude of the voltage across the section, decreases the rate of change of voltage, decreases the frequency of the alternating components of the current and voltage and increases the duration of the concluding stage of commutation. When the value of the capacity becomes equal to the capacity for an
(Engineering--Electrical, TT, v. 6, no. 1) (over)

61-15211

I. Slunov, N. S.
II. Kovylev, B. V.
III. RTS-1656
IV. Department of Scientific and Industrial Research (Gt. Brit.)

161779

Office of Technical Services

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

A Capacitance D-C Generator Operating on a New Principle, by A. A. Bal'chitis, 18 pp.

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FTD-TT-61-539

Sci-Electronics
May 63

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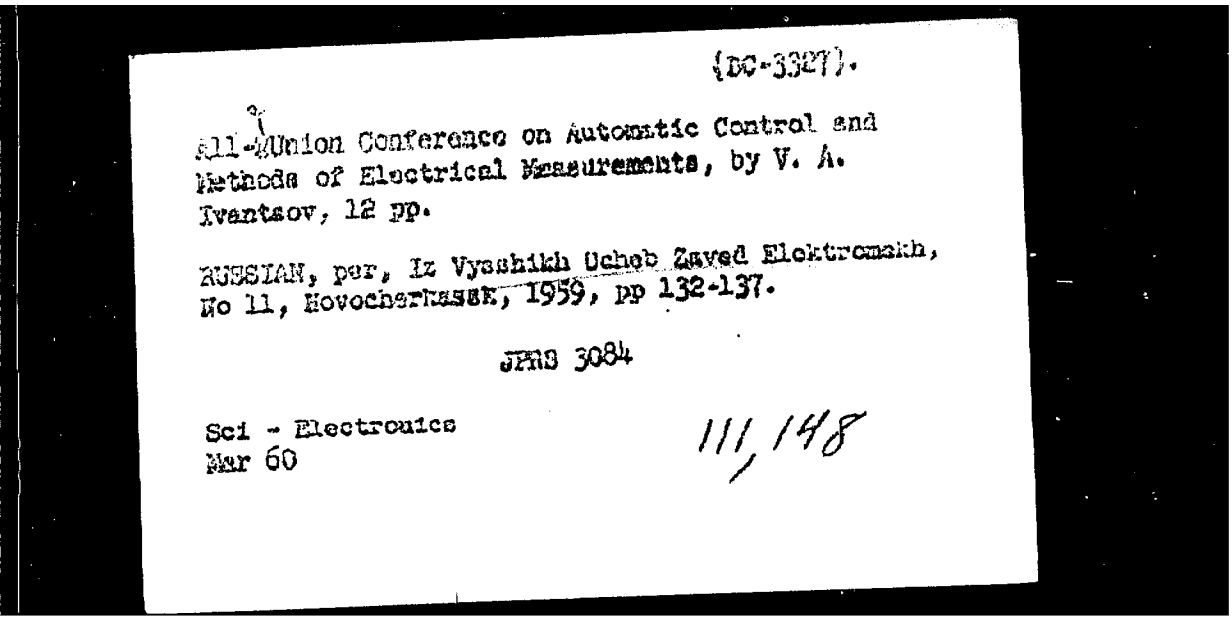

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JPRS 3084

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Mar 60

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(DC3327)

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*JPRS 3084

Sci - ~~Automation~~ Engr

Jan 60

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

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Inter-University Scientific and Technical Conference on Electrical Model Operation For Problems in Structural Mechanics, Strength of Materials and the Theory of Elasticity, by K. K. Keropyan, 7 pp.

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JPRS 3084

111/149

Sci - Engr, Phys
Mar 60

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

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12 (NY-3938)

Analytic Investigation of the Processes in a Ferrite Core, by Ye. I. Klepfer, G. M. Tikhomirov, 12 pp.

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JPRS 2879

Sci - Electronics

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Aug 60

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18

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Sci - Engr - Math

Aug 60

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MDF 8-175

Sci - Electron
May 61

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18 (NY-4146)

First All-Union Conference on Electric Measurement Digital Computers, by Ye. I. Tenyukov, 10 pp.

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JPRS 5075

Sci - Engr

Aug 60

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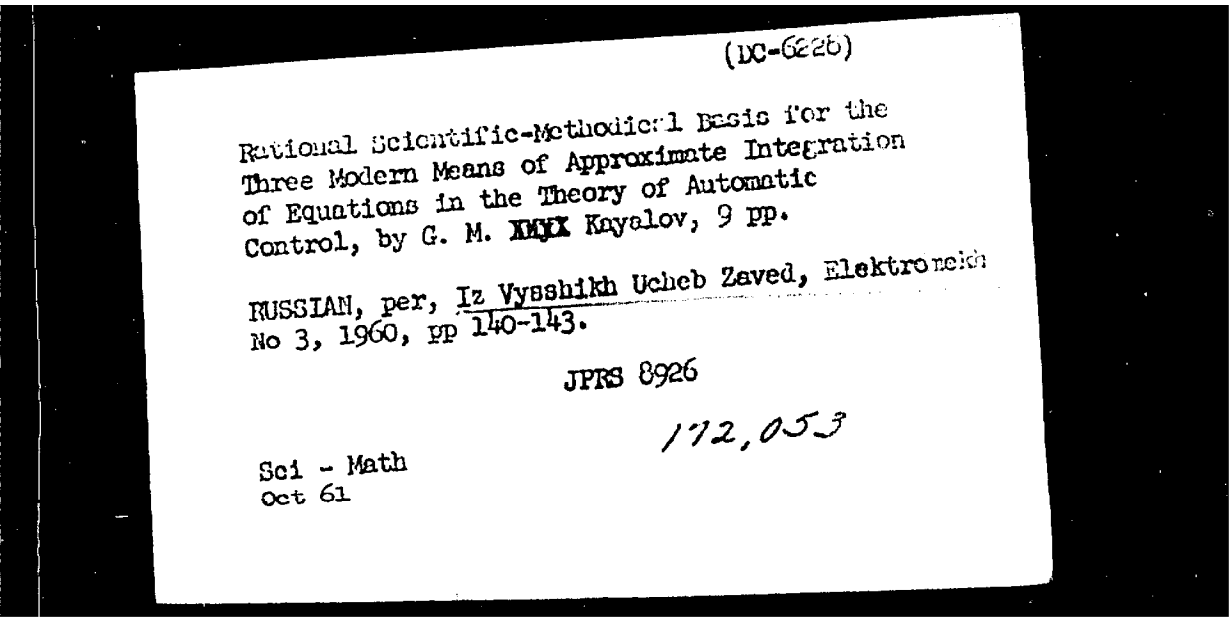

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JPRS 8926

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Sci - Math
Oct 61

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A Small Self-Exciting Rotor-Type Tele Electrostatic Generator, by A. F. Kalganov, 11 pp.

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FTD-TT-61-188

Sci - Engr

182,598

15 Feb 62

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

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Discussion of the Article "Capacitance D-C Generator Operating on a New Principle", by A. F. Kalgaev, L. S. Polotovskiy, 14 pp.

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FTD-TT-61-640

Sci-Electro
May 63

229,536

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

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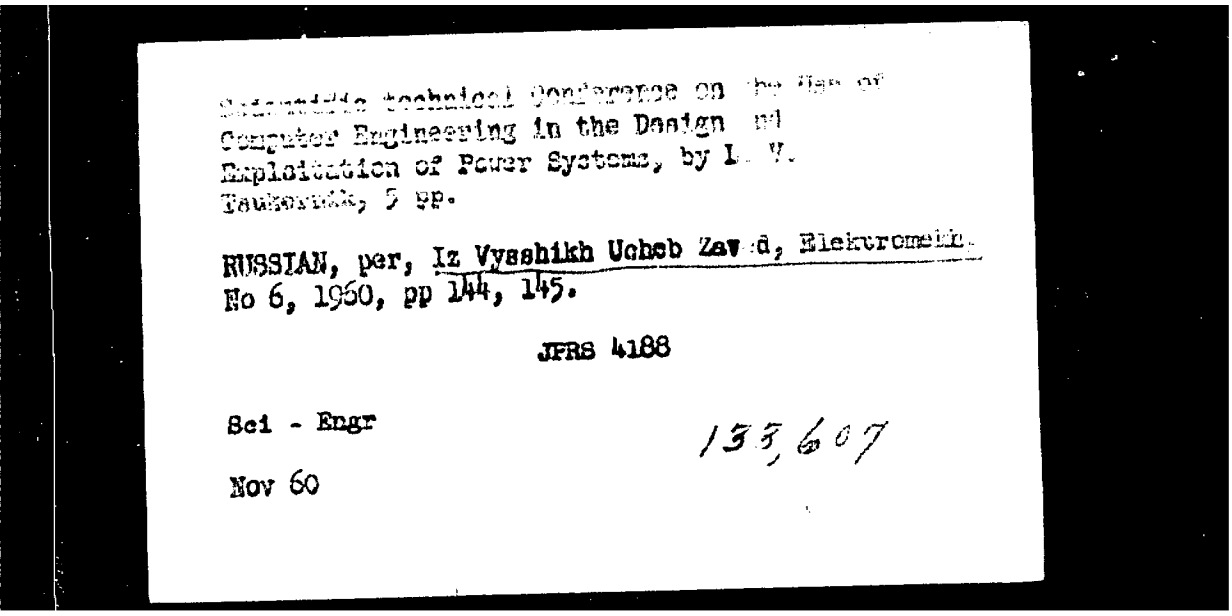

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JPRS 4188

Sci - Engr

Nov 60

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Information Capabilities of Modern Electronic Computers, by V. M. Glushkov, 6 pp.

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JPRS 6598

Sci - Phys

Feb 61

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by I. P. Kopylov, 13 pp.

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96/1001

FTD MCL-1132/1 + 2

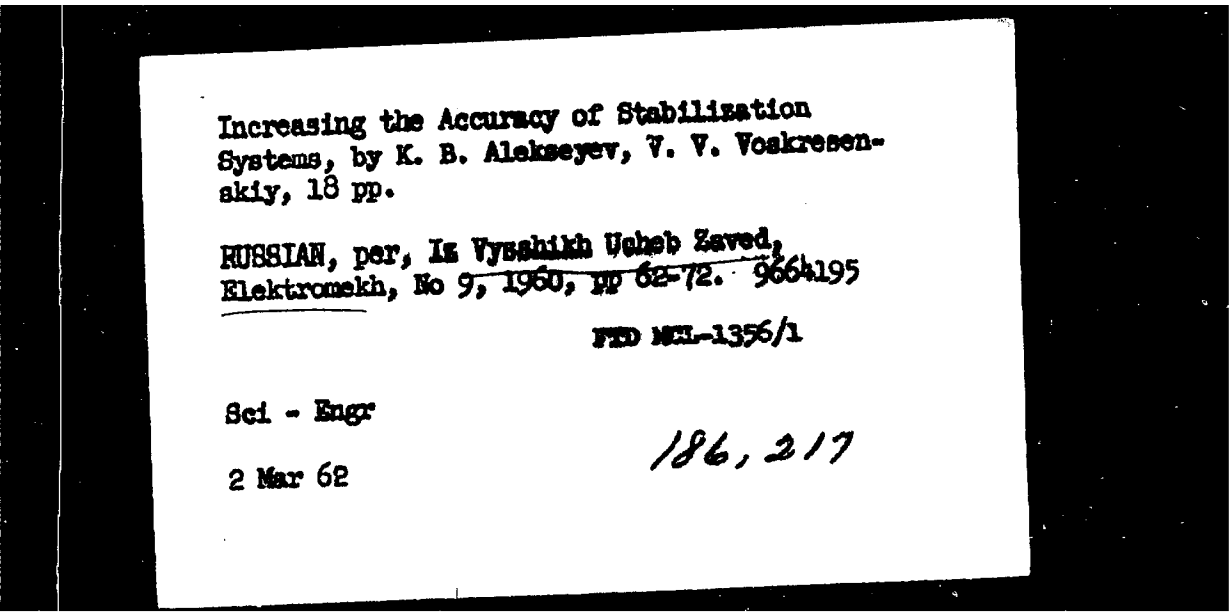
Sci - Electricity/Electron/Engr

Sep 61

169,305

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5



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FTD MTL-1356/1

Sci - Engr

2 Mar 62

186,217

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

Pukhov, G. F. and Borkovskii, B. A.
ELECTRICAL SIMULATION OF A SYSTEM OF LINEAR ALGEBRAIC EQUATIONS WITH AN ARBITRARY COEFFICIENT MATRIX (Ob Elektricheskom Modelirovanii Sistemy Lineinykh Algebraicheskikh Uravnenii s Proizvol'noi Matritsei Koeffitsientov).
[1962] 6p. (foreign text included) 3 refs.
Order from OTS or SLA $1.10 63-10189

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Elektromekhanika (USSR) 1960 [v. 3] no. 11. p. 36-37.

DESCRIPTORS: Mathematics, *Models (Simulation), Electrical networks, *Equations, Algebra, Matrix algebra.

(Mathematics, TT, v. 10, no. 1)

63-10189

1. Title: Mathematical models
2. Title: Electrical models
I. Pukhov, G. F.
II. Borkovskii, B. A.

Office of Technical Services

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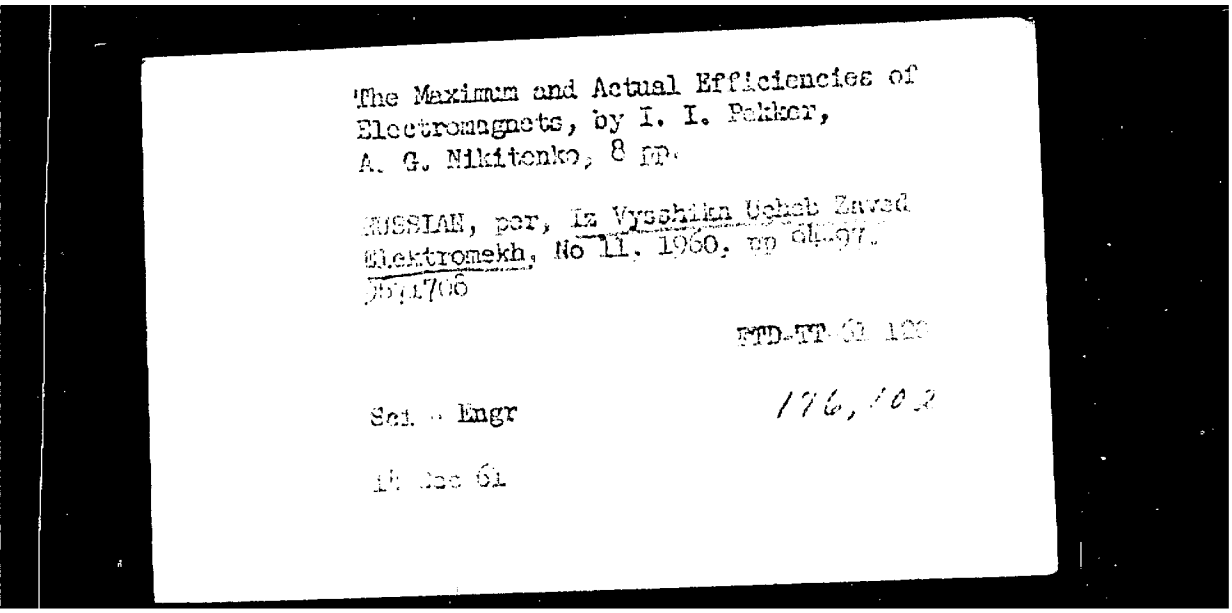

'The Maximum and Actual Efficiencies of Electromagnets, by I. I. Pakker, A. G. Nikitenko, 8 pp.

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AT 1706

FTD-TT-61-1[illegible]

Sci - Engr

176,102

14 Dec 61

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

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One Method of Using Toroidal Cores Made of Ferromagnetic Materials to Convert Continuous into Discrete Values, by Yu. A. Belyayev, 10 pp.

RUSSIAN, per: Iz. Vysshikh Ucheb Zaved, Elektromekh, No 12, 1960, pp 26-31.
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FTD MCL-1231/1

Sci - Phys

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Concerning the Maximum Power of Electric Machinery., by L. S. Polotovskiy,

RUSSIAN, per, Iz Vysshykh Ucheb Zaved - Elektromekh, Vol III, No 12, 1960, pp 50-57.

ERML, Ft Belvoir T-1426

171, 615

Sci - Electricity
Oct 61

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

Wiring Diagrams for Connection of Semiconductor SK Rectifiers MK on MF Electric Locomotives in Mines, by N. A. Staroskol'skiy.

RUSSIAN, per, Iz Vysshykh Ucheb Zaved - Elektromekh, Vol III, No 12, 1950, pp 80-87.

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171, 616

Sci - Electricity
Oct 61

APPROVED FOR RELEASE: Monday, July 28, 2003 CIA-RDP91-00929R000100390031-5

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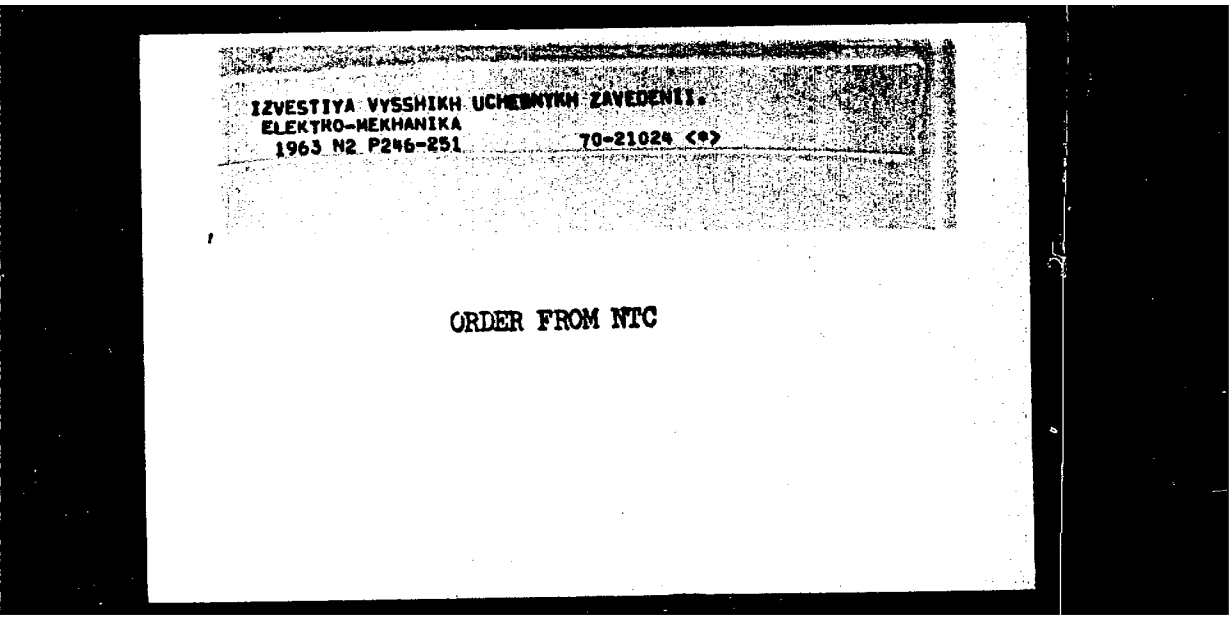

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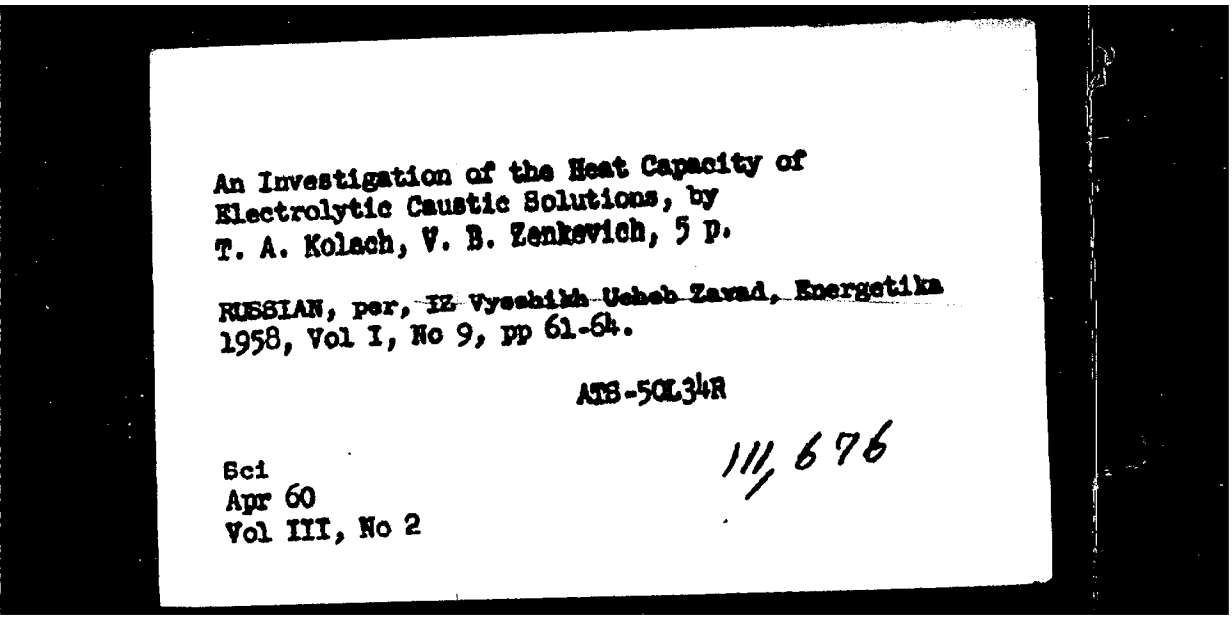

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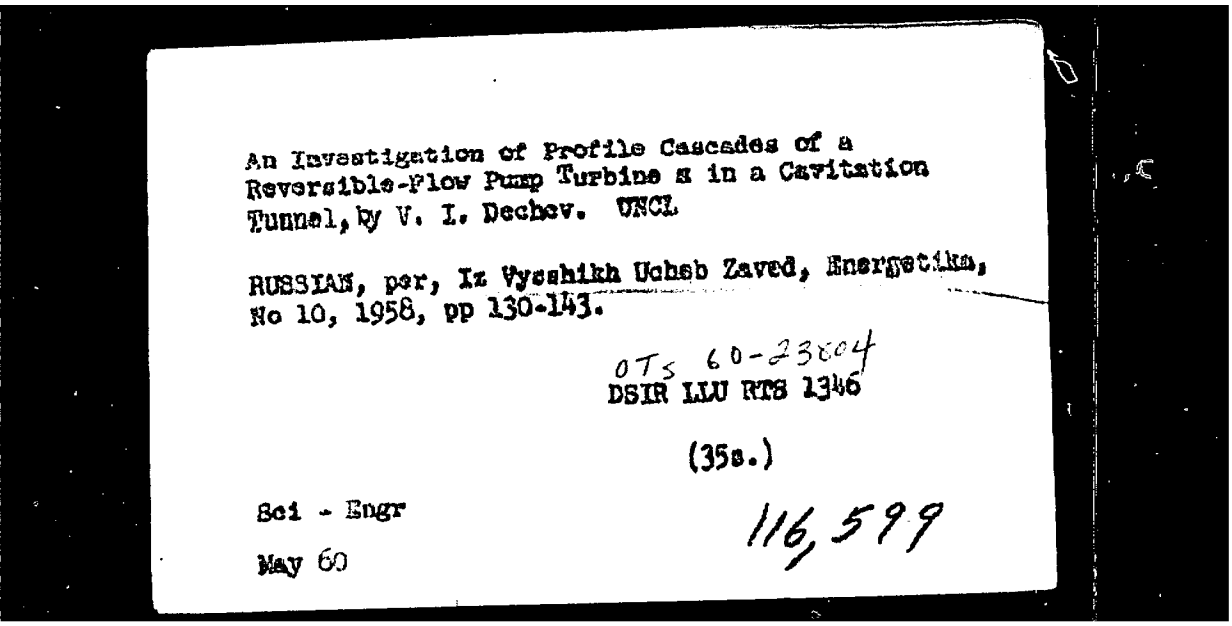

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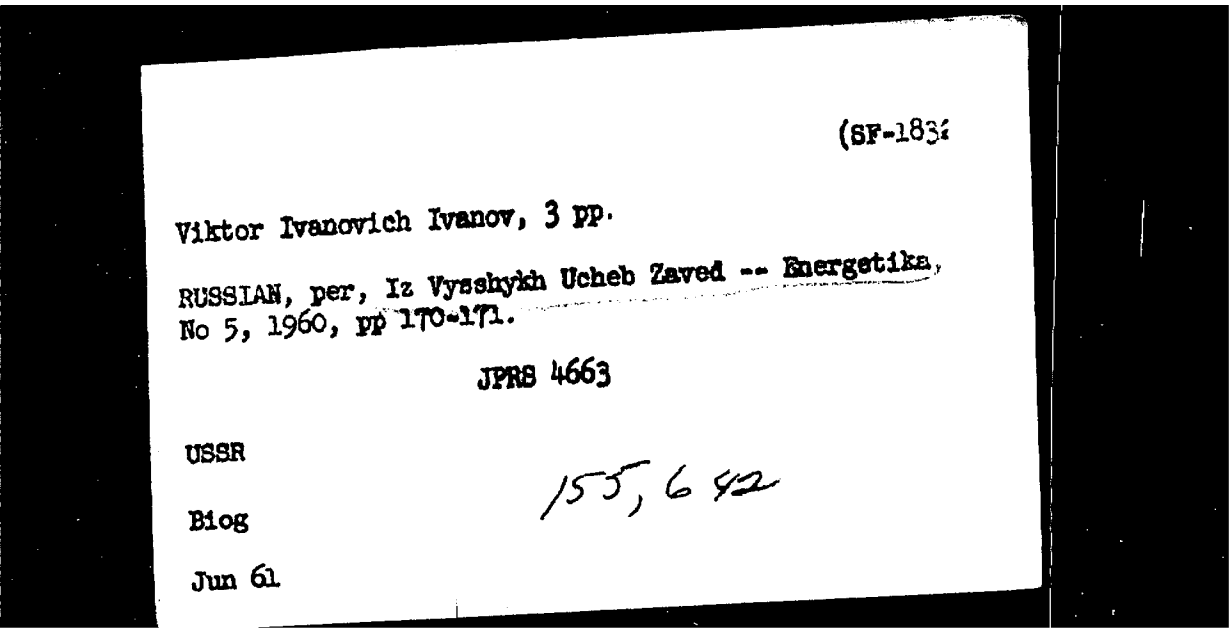

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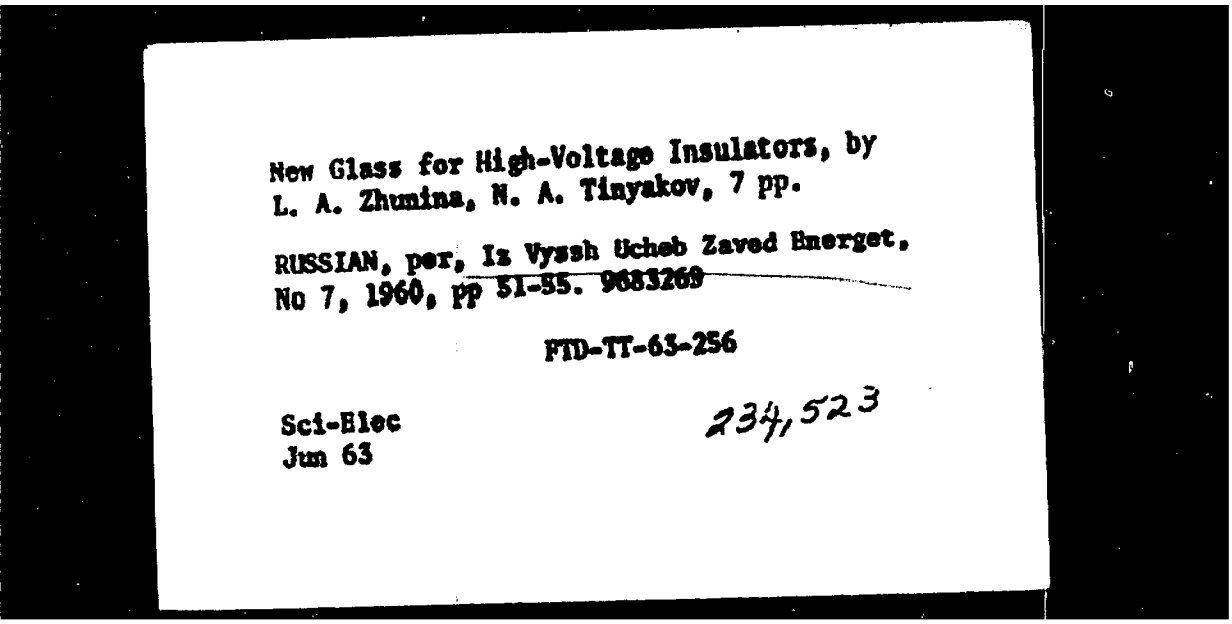

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